

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A filtration system comprising:
a chamber that includes a hydraulic loading area extending across the entire chamber, the hydraulic loading area being divided into a plurality of cells with smaller hydraulic loading areas; and
filter media positioned in each of the cells to filter water passing through the cells,
wherein the filter media is spherical microbeads with diameters between 1mm and 3mm and a density that is between 8 kg/cubic meter and 48 kg/cubic meter.
2. (Previously Presented) The filtration system of claim 1 wherein the water is unable to flow between cells as the water passes through the filter media.
- 3-4. (Canceled)
5. (Currently Amended) The filtration system of claim 1 wherein the ~~filter media is~~ microbeads, the microbeads within each cell having have a depth between 15 cm and 60 cm.
6. (Original) The filtration system of claim 1 wherein the chamber has a rectangularly-shaped hydraulic loading area as water passes through the filter media and each cell has a square-shaped hydraulic loading area.
7. (Original) The filtration system of claim 1 wherein each cell has a hydraulic loading area less than 2.3 square meters.

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8. (Currently Amended) A filtration system comprising:
a chamber that includes a hydraulic loading area divided into a plurality of cells such that each cell has a hydraulic loading area less than 2.3 square meters; and
microbeads positioned in each cell to filter water passing through the chamber, the microbeads having a density that is between 8 kg/cubic meter and 48 kg/cubic meter.
9. (Previously Presented) The filtration system of claim 8 further comprising a plurality of nozzles positioned above the microbeads within the chamber to supply water to each cell in the chamber.
- 10 (Currently Amended) The filtration system of claim 8 wherein the microbeads ~~the microbeads have a density that is between 8 kg/cubic meter and 48 kg/cubic meter and~~ within each cell have a depth that is between 15 cm and 60 cm.
11. (Original) The filtration system of claim 8 wherein the hydraulic loading area of the chamber is rectangularly-shaped and the hydraulic loading area of each cell is square-shaped.
12. (Original) The filtration system of claim 8 further comprising a receiving tank to receive water from the chamber.
13. (Original) The filtration system of claim 12 wherein the chamber is at least partially immersed in the receiving tank.
14. (Original) The filtration system of claim 8 wherein the water in each cell is isolated from the water in the other cells as the water flows through the microbeads.

Claims 15-36 (Canceled).

37. (Previously Presented) The filtration system of claim 8 wherein the hydraulic loading area of the chamber is greater than 4.6 square meters.

38. (Currently Amended) A filtration system comprising:
a chamber that includes a hydraulic loading area divided into a plurality of cells with smaller hydraulic loading areas;
microbeads positioned in each cell to filter water passing through the chamber, the microbeads having a density that is between 8 kg/cubic meter and 48 kg/cubic meter; and
a water source positioned over the filter media within the chamber to drop water into each cell in the chamber.

39. (Previously Presented) The filtration system of claim 38 wherein the microbeads within each cell have a depth that is between 15 cm and 60 cm.

40. (Previously Presented) The filtration system of claim 38 wherein the water source is a plurality of nozzles.

41. (Previously Presented) The filtration system of claim 38 further comprising a receiving tank to receive water from the chamber.

42. (Previously Presented) The filtration system of claim 38 wherein the water in each cell is isolated from the water in the other cells as the water flows through the microbeads.